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**ENCLOSED ARE:** 

Transmittal Form (1 page); Information Disclosure Statement Under 37 CFR 1.97(b) (1 page); Information Disclosure Statement by Application with Attachments (28 pages);

Certificate of Mailing (1 page); Acknowledgement Postcard (1)

Attorney Docket No. 90959.000012

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PTO/SB/21 (02-04)

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			Application Number			10/731,993			
	TRA		Filing Date			December 9, 2003			
		FORM			First Named Inventor			Adams, Joseph S.	
	to be used for all o	correspondence after	initial	filina)	Art Unit			3747	
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		E	NCL	OSURES	(check all that	apply)			
	Fee Transmittal			Drawing(s)				After Allowance communication to Group	
	☐ Fee Attached			Licensing-re	lated Papers			Appeal Communication to Board of Appeals and Interferences	
	Amendment/Reply			Petition				Appeal Communications to Group (Appeal Notice, Brief, Reply Brief)	
	☐ After Final			Petition to C Application	onvert to a Provisio	nal		Proprietary Information	
	☐ Affidavit/decla	ration(s)		Power of Att	orney, Revocation Correspondence Add	dress		Status Letter	
	Extension of Time	Request		Terminal Dis	sclaimer		Ø	Other Enclosure(s) (please identify below):	
	Express Abandonn	nent Request		Request for	Refund			Certificate of Mailing; Acknowledgement Postcard	
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	Certified Copy of P	riority Document(s)	Remarks						
	Response to Missi Incomplete Applica								
	Response to I 37 CFR 1.52	Missing Parts under or 1.53							
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Date	Date May 5, 2004					·			
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Туре	or printed name	Paula Weil							
Sign	ature	Parl	, / 0	)oil		Date		May 5, 2004	

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## **PATENTS**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Adams, Joseph S.

Atty. Docket:

90959.000012

Serial No.:

10/731,993

Examiner:

Filed:

December 9, 2003

Art Unit:

Title:

SCAVENGING SYSTEM FOR INTERMITTENT LINEAR MOTOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 (b)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant hereby submits an Information Disclosure Statement as set forth on the enclosed forms, PTO/SB/08a and PTO/SB/08b. As this application was filed after June 30, 2003, copies of the U.S. Patents are not included.

As this submission is filed before the mailing of the first Office Action, Applicant believes there are no fees due at this time.

Respectfully submitted,

Thomas B. Ryan, Registration No. 31,659

HARTER, SECREST & EMERY LLP

1600 Bausch & Lomb Place Rochester, New York 14604

Telephone: 585-232-6500

Fax: 585-232-2152

Dated: Dance 30, 2009

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

1 of 3

Complete if Known					
Application Number	10/731,993				
Filing Date	December 9, 2003				
First Named Inventor	Adams, Joseph S.				
Art Unit					
Examiner Name					
Attorney Docket Number	90959.000012				

U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		US-4,043,248	08-23-1977	Bulman et al.				
		US-4,377,991	03-29-1983	Liesse				
		US-4,665,868	05-19-1987	Adams				
		US-4,759,318	07-26-1988	Adams				
		US-5,125,320	06-30-1992	Zielinski				
		US-5,499,567	03-19-1996	Gay				
		US-5,540,194	07-30-1996	Adams				
		US-5,771,621	06-30-1998	Rogers				
		US-5,771,875	06-30-1998	Sullivan				
		US-6,491,002	12-10-2002	Adams				
		US-6,634,325	10-21-2003	Adams				
		US-6,647,969	11-18-2003	Adams				
		US-4,616,622	10-14-1986	Milliman				
		US-5,199,626	04-06-1983	Terayama et al.				
	.,,	US-5,257,614	11-02-1993	Sullivan				
		US-5,333,594	08-02-1994	Robinson				
		US-5,613,483	03-25-1997	Lukas et al.				
		US-5,769,066	06-23-1998	Schneider				

			FOREIGN	PATENT D	OCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Country	Foreign Patent Document  y Code <sup>3 ·</sup> Number <sup>4 ·</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		JP	4136696	05-11-1992	Japan Steel Works Ltd.		
		JP	5215492	08-24-1993	Japan Steel Works Ltd.		
		JP	6185894	07-08-1994	Japan Steel Works Ltd.		
		JP	60104806	6-10-1985	Itsusei Kogyo KK		<u> </u>
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Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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INFO	DRMATION I	DISC	LOSURE	Filing Date	December 9, 2003		
STA	TEMENT BY	APF	PLICANT	First Named Inventor	Adams, Joseph S.		
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Sheet	2	of	3	Attorney Docket Number	90959.000012		

	U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		US-5,967,133	10-19-1999	Gardner et al.					
		US-6,003,504	12-21-1999	Rice et al.					
		US-6,138,656	10-31-2000	Rice et al.					
		US-6,233,928	05-22-2001	Scott					
		US-6,343,599	02-05-2002	Perrone					
		US-6,371,099	04-16-2002	Lee					
		US-6,418,920	07-16-2002	Marr					
		US-6,474,326	11-05-2002	Smith et al.					
		US-RE32,452	07-07-1987	Nikolich					
		US-20030110758	06-19-2003	Adams					
		US-20030131809	07-17-2003	Adams					
		US-20020088449	07-11-2002	Perrone					
		US-20030005918	01-09-2003	Jones					
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	FOREIGN PATENT DOCUMENTS										
Examiner Initials	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear						
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INFO	RMATION	DISCL	OSURE	Filing Date	December 9, 2003	
STA <sup>-</sup>	TEMENT B	Y APP	LICANT	First Named Inventor	Adams, Joseph S.	
		4		Art Unit		
("	ise as many shee	is as nec	essary)	Examiner Name		
Sheet	3	of	3	Attorney Docket Number	90959.000012	

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1.</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2.</sup>			
		English language abstract of Japanese patent JP4136696.				
		English language abstract of Japanese patent JP5215492.				
		English language abstract of Japanese patent JP6185894.				
		English language abstract of Japanese patent JP60104806.				
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Examiner	Date	
Signature	Considered	

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